



Internation

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PCT/GB 03/04762

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02P6/08 H02P6/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $\frac{1}{7}$ H02P

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 390 826 A (ERDMAN DAVID M ET AL) 28 June 1983 (1983-06-28) column 2, line 26 - column 6, line 23; figures 1,4	1-18
A	US 6 091 216 A (TAKAHASHI HISASHI ET AL) 18 July 2000 (2000-07-18) column 2, line 15 - column 4, line 4; figures 2,4,5	1-18
A	US 5 287 044 A (IZAWA HIROKAZU ET AL) 15 February 1994 (1994-02-15) abstract; figures 1,2	1-18
A	US 5 486 743 A (NAGAI KAZUNOBU) 23 January 1996 (1996-01-23)	
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X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filling date L' document which may throw doubts on priority ctaim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filling date but later than the priority date ctaimed	To later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such document in the art. "&" document member of the same patent family
Date of the actual completion of the international search 5 March 2004	Date of mailing of the international search report 12/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tet (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Segaert, P



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